BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Civil Engineering Pearson BTEC International Level 3 Diploma in Building Services Engineering Pearson BTEC International Level 3 Extended Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Extended Diploma in Civil Engineering Pearson BTEC International Level 3 Extended Diploma in Building Services Engineering
Unit number and title	**Unit 33: Offsite and Onsite Construction Methods**
Learning aim(s) (For NQF only)	**A Examine the different forms of construction available in industry** **B Explore the drivers for different forms of construction**
Assignment title	**Different Forms of construction**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have been employed as a trainee engineer in the local office of a large modern design company. The team you are working with is keen to develop and use innovative technologies, processes and materials to create more efficient, safer and sustainable buildings. With the current international housing shortages and affordability predicament the need to embrace new technology has never been greater. There are many different drivers for using these innovative technologies and the company is keen to investigate all the options to plan and adapt for the future.

Task 1	To help with your progression within the company and as part of your training to enhance your knowledge your mentor has asked you to research the range of offsite and onsite construction processes and materials currently being used. You must also investigate the different drivers that influence the construction methods. **To do this**: • Research the different onsite and offsite construction methods and consider their advantages and disadvantages. • Research the different drivers for alternative forms of construction • Research how the drivers influence the range of onsite and offsite methods of construction (Both construction related and non-construction drivers) • Agree a suitable project with your tutor and evaluate a selected onsite and offsite method which could be used. Evaluate the influence drivers such as policy, sustainability and population have on the choice of forms of construction
Checklist of evidence required	A report on offsite and onsite construction methods and how they address drivers.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
33/A.D1	Evaluate a selected onsite and offsite construction for application in a given project type.
33/B.D2	Evaluate the influence that policy, sustainability and population change have on the choice of forms of construction.
33/A.M1	Compare onsite and offsite construction methods.
33/B.M2	Assess the relationship between construction- and non-construction drivers for different forms of construction.
33/A.P1	Describe onsite construction methods.
33/A.P2	Describe offsite construction methods.
33/B.P3	Define the construction-based drivers that influence moves toward different forms of construction methods.
33/B.P4	Explain the influence of policy, sustainability and population on construction.

Sources of information to support you with this Assignment	Quale, John D., Smith, Ryan E. “Offsite Architecture: constructing the future” 2017 Published by Routledge ISBN 978-1-138-82139-2 Aitchison, M. “Prefab Housing and the Future of Building: Product to Process 2018” Published by Lund Humphries ISBN 978-1-848-22218-2 Lawson, M., Ogden, R., Goodier, C. “Design in Modular Construction” 2014 Published by CRC Press ISBN 978-0-415-55450-3
Other assessment materials attached to this Assignment Brief	N/A